



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHTLOWT5022ACW120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Wed Aug 22 10:12:39 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDLOWT5022ACW120-277[_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUE DATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

| | |
|---------------------------------|---------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 13930 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 133 |
| Total Luminaire Watts | 105 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.12 |
| Spacing Criterion (90-270) | 1.12 |
| Spacing Criterion (Diagonal) | 1.24 |
| Basic Luminous Shape | Rectangular w/Sides |
| Luminous Length (0-180) | 1.88 ft |
| Luminous Width (90-270) | 1.88 ft |
| Luminous Height | 1.59 ft |

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LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 7957 | 6686 | 7957 |
| 55 | 4030 | 3285 | 4030 |
| 65 | 2329 | 1838 | 2329 |
| 75 | 2203 | 1676 | 2203 |
| 85 | 1453 | 1056 | 1453 |

CANDELA TABULATION

| | <u>0</u> |
|-----|----------|
| 0 | 6433.241 |
| 5 | 6349.761 |
| 10 | 6203.089 |
| 15 | 5963.597 |
| 20 | 5592.241 |
| 25 | 5141.589 |
| 30 | 4674.381 |
| 35 | 4233.927 |
| 40 | 3854.961 |
| 45 | 3397.405 |
| 50 | 2597.826 |
| 55 | 1669.886 |
| 60 | 979.667 |
| 65 | 906.217 |
| 70 | 893.970 |
| 75 | 775.858 |
| 80 | 609.756 |
| 85 | 442.193 |
| 90 | 299.309 |
| 95 | 185.094 |
| 100 | 105.244 |
| 105 | 57.574 |
| 110 | 32.500 |
| 115 | 19.832 |
| 120 | 13.432 |
| 125 | 9.845 |
| 130 | 7.400 |
| 135 | 5.914 |
| 140 | 4.897 |
| 145 | 4.234 |
| 150 | 3.763 |
| 155 | 3.612 |
| 160 | 4.334 |
| 165 | 4.847 |
| 170 | 4.780 |
| 175 | 4.721 |
| 180 | 10.878 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|----------|-------|--------|
| 0-20 | 2275.95 | N.A. | 16.30 |
| 0-30 | 4643.95 | N.A. | 33.30 |
| 0-40 | 7305.34 | N.A. | 52.40 |
| 0-60 | 11399.97 | N.A. | 81.80 |
| 0-80 | 13121.47 | N.A. | 94.20 |
| 0-90 | 13610.34 | N.A. | 97.70 |
| 10-90 | 13008.47 | N.A. | 93.40 |
| 20-40 | 5029.38 | N.A. | 36.10 |
| 20-50 | 7583.64 | N.A. | 54.40 |
| 40-70 | 5008.92 | N.A. | 36.00 |
| 60-80 | 1721.5 | N.A. | 12.40 |
| 70-80 | 807.22 | N.A. | 5.80 |
| 80-90 | 488.87 | N.A. | 3.50 |
| 90-110 | 278.63 | N.A. | 2.00 |
| 90-120 | 299.97 | N.A. | 2.20 |
| 90-130 | 309.10 | N.A. | 2.20 |
| 90-150 | 316.50 | N.A. | 2.30 |
| 90-180 | 320.12 | N.A. | 2.30 |
| 110-180 | 41.48 | N.A. | 0.30 |
| 0-180 | 13930.46 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

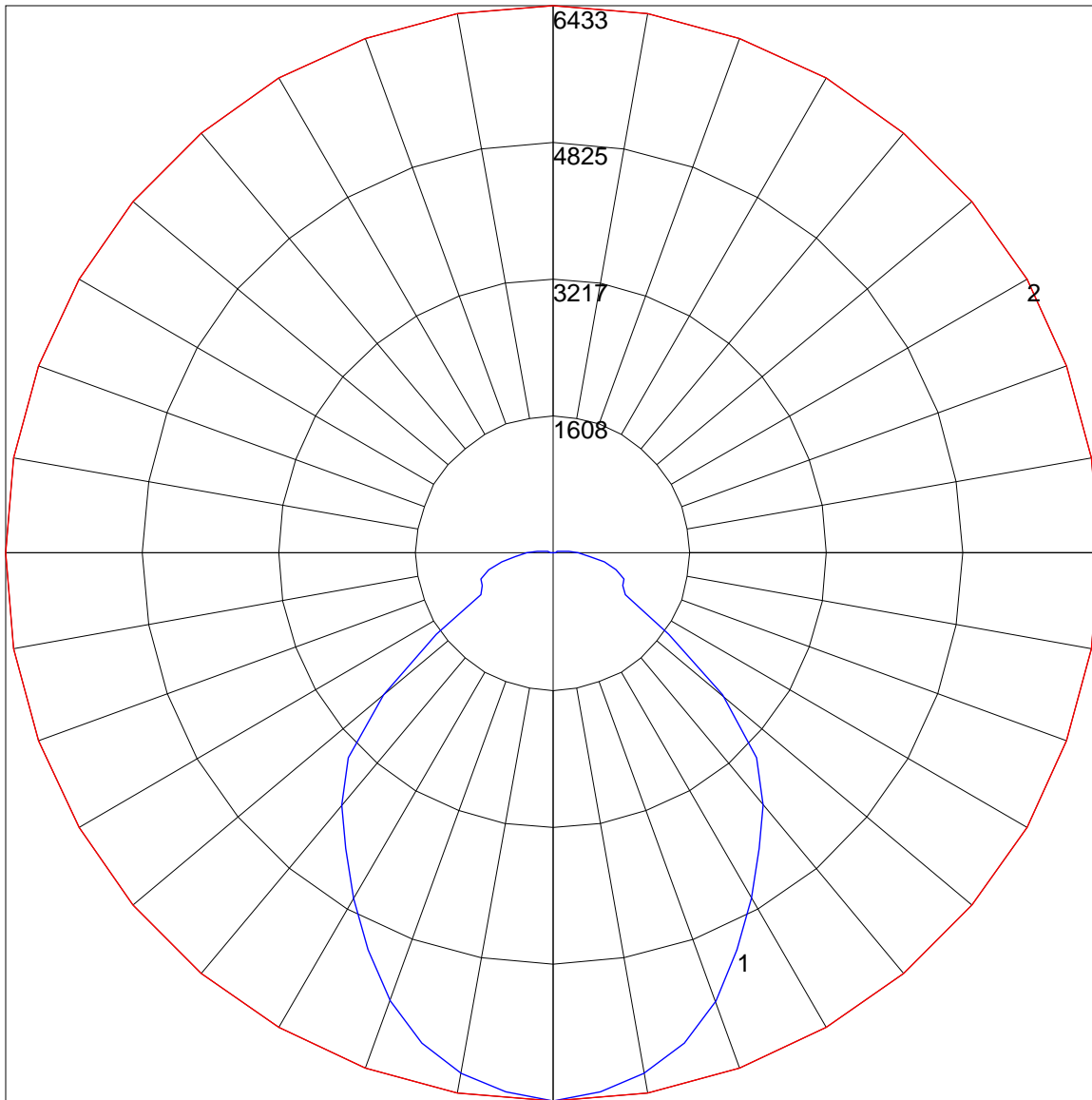
| Zone | Lumens |
|---------|---------|
| 0-10 | 601.87 |
| 10-20 | 1674.08 |
| 20-30 | 2368.00 |
| 30-40 | 2661.38 |
| 40-50 | 2554.26 |
| 50-60 | 1540.38 |
| 60-70 | 914.28 |
| 70-80 | 807.22 |
| 80-90 | 488.87 |
| 90-100 | 211.53 |
| 100-110 | 67.11 |
| 110-120 | 21.34 |
| 120-130 | 9.13 |
| 130-140 | 4.69 |
| 140-150 | 2.70 |
| 150-160 | 1.77 |
| 160-170 | 1.33 |
| 170-180 | 0.53 |

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 98 |
| 1 | 109 | 104 | 100 | 96 | 106 | 101 | 98 | 94 | 97 | 94 | 91 | 92 | 90 | 88 | 89 | 87 | 85 | 82 |
| 2 | 100 | 92 | 85 | 80 | 97 | 90 | 84 | 79 | 86 | 81 | 77 | 82 | 78 | 75 | 79 | 76 | 73 | 71 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 71 | 67 | 63 | 61 |
| 4 | 85 | 74 | 65 | 59 | 82 | 72 | 64 | 59 | 69 | 63 | 58 | 67 | 61 | 57 | 64 | 60 | 56 | 53 |
| 5 | 78 | 66 | 58 | 52 | 76 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 59 | 53 | 49 | 47 |
| 6 | 73 | 60 | 52 | 46 | 71 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 48 | 44 | 42 |
| 7 | 68 | 55 | 47 | 41 | 66 | 54 | 46 | 41 | 53 | 46 | 40 | 51 | 45 | 40 | 49 | 44 | 40 | 38 |
| 8 | 63 | 51 | 43 | 37 | 62 | 50 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 36 | 46 | 40 | 36 | 34 |
| 9 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 38 | 33 | 44 | 37 | 33 | 42 | 37 | 33 | 31 |
| 10 | 56 | 43 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 28 |

POLAR GRAPH



Maximum Candela = 6433.241 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)